DATA SHEET

AMILO NOTEBOOK XI 3650

The art of entertainment

Issue: **April 2009**

You are looking to replace your desktop computer? You want to use state-of-the-art video communication and enjoy entertainment at its best? Then the AMILO Notebook Xi 3650 is the ideal system for you, offering an amazing array of features in a very stylish casing. The 18.4-inch display is perfect for watching DVD in their native resolution.

Processor technology

- Latest Intel® Centrino® 2 processor technology (optional) for high-definition digital entertainment experience, blistering performance, longer-lasting battery life and the new wireless standard for connectivity

Operating System

- Windows Vista® Home Premium

Innovation

- NVIDIA® GeForce® 9600M GT graphic card with 512 MB GDDR3 dedicated high-speed VRAM deliver the ultimate balance between mobility and performance for astounding HD playback capabilities combined with 3D features to enable visually-intense applications and games
- NVIDIA HybridPower™ technology allows you to unleash graphics performance when you need it, or instantly switch gears to a lower power mode from the motherboard GPU for longer battery life and quieter operation. This reduces system power consumption dramatically and extends battery life by up to 25%

Reliability

- Spill-proof keyboard to protect your notebook against accidentially spilt liquids: Enough time to shut down the notebook, have the liquid removed from the notebook, protects your investment and your data
- Engineered in Germany means the test center in Germany tests conformity to international standards and customer-specific requirements
- A+ grade LCD panels for better picture quality

Ease of use

- Silent mode function that causes a noticeable reduction in fan noise
- Multimedia LightTouch™ bar and integrated Vista remote control let you easily play, stop or pause your DVDs or music CDs

Multimedia and Entertainment

- 18.4-inch HD+ or Full HD display with 16:9 aspect ratio and BrilliantView technology that provides vivid colors, amazing sharpness and impressive contrast
- The integrated AMILOcam (1.3 megapixels) with low-light technology for great video quality even in low-light conditions and a built-in digital array microphone are perfect for Internet telephony (VoIP) and video chats
- Connect the AMILO Notebook Xi 3650 to an external display via HDMI (with HDCP support)

Options

- Integrated Blu-ray Disc™ drive for the ultimate entertainment experience
- Dual hard disk drive with Raid 0/1 function: Choose either Raid 0 function and implement data striping to provide the best possible performance or Raid 1 function and define disk mirroring for simultaneous writing of data on two disks. If one drive becomes defect, all data can be accessed on the second drive

Components

Processor	Intel® Core™2 Duo T9550 (2.66 GHz, 6 MB, 1066 MHz)
	Intel® Core™2 Duo T9400 (2.53 GHz, 6 MB, 1066 MHz)
	Intel® Core™2 Duo T5800 (2.0 GHz, 2 MB, 800 MHz)
	Intel® Core™2 Duo P8600 (2.4 GHz, 3 MB, 1066 MHz)
	Intel® Core™2 Duo P8400 (2.26 GHz, 3 MB, 1066 MHz)
	Intel® Core™2 Duo P7450 (2.13 GHz, 3 MB, 1066 MHz)
	Intel® Core™2 Duo P7350 (2.0 GHz, 3 MB, 1066 MHz)
Processor notes	Processor depends on exact configuration. Please check at your local retailer. Processor technology depends on actually installed processor.

Memory modules	
	4 GB (2 module(s) with 2 GB, DDR3), 1066 MHz 3 GB (2 module(s) with 1 GB and 2 GB, DDR3), 1066 MHz 2 GB (2 module(s) with 1 GB, DDR3), 1066 MHz 2 GB (1 module(s) with 2 GB, DDR3), 1066 MHz 1 GB (1 module(s) with 1 GB, DDR3), 1066 MHz
Supported capacity RAM (min.)	1 GB
Supported capacity RAM (max.)	4 GB
Memory slots total	2
Memory slot type	SODIMM (DDR3, 1066 MHz)
Memory notes	Memory size depends on exact configuration. Please check at your local retailer. Disclaimer: Up to 1 GB may not be available with 32-bit operating systems due to system resource requirements if system is preinstalled with 4 GB RAM

Hard disk drives (internal)	500 GB, 5400 rpm, SATA, 2.5-inch
	500 GB, 4200 rpm, SATA, 2.5-inch
	320 GB, 5400 rpm, SATA, 2.5-inch
	250 GB, 5400 rpm, SATA, 2.5-inch
Dual HDD options	1000 GB (2x 500 GB), 4200 rpm, SATA, 2.5-inch 1000 GB (2x 500 GB), 5400 rpm, SATA, 2.5-inch 640 GB (2x 320 GB), 5400 rpm, SATA, 2.5-inch 500 GB (2x 250 GB), 5400 rpm, SATA, 2.5-inch
Hard disk notes	Hard disk capacity depends on exact configuration. Please check at your local retailer. One Gigabyte equals one billion bytes, when referring to hard disk drive capacity. Raid function (optional, if two HDDs are installed): Raid 0: stripe set for performance Raid 1: mirroring for security Raid off: two physical HDDs

Optical drives		
Optical drive technology	SuperMulti-format DVD burner with double layer (DL) support	Blu-ray Disc™ drive incl. SuperMulti-format DVD burner with double layer (DL) support
Interface type	SATA	SATA
Optical drive read speed	CD-ROM 24x, DVD-ROM 8x	BD 2x, CD-ROM 24x, DVD-ROM 8x
Optical drive write speed	CD-R 24x, CD-RW 16x, DVD+R 8x, DVD-R 8x, DVD+RW 8x, DVD-RW 6x, DVD+R DL (8.5 GB) 6x, DVD-R DL (8.5 GB) 6x, DVD-RAM 5x	CD-R 16x, CD-RW 10x, DVD+R 8x, DVD-R 8x, DVD+RW 4x, DVD-RW 4x, DVD+R DL (8.5 GB) 4x, DVD-R DL (8.5 GB) 4x, DVD RAM 5x
Optical drive notes	Optical disc type depends on exact configuration. Please check at your local retailer.	

Display		
Display Technology	BrilliantView LCD	BrilliantView LCD with dual lamp (90% NTSC)
Diagonal Size	18.4-inch	18.4-inch
Aspect ratio	16:9	16:9
Display Resolution type	HD+	Full HD
Resolution (native)	1680 x 945 pixel	1920 x 1080 pixel
Response time typical	16 ms	8 ms
Brightness - typical	200 NIT	300 NIT
Contrast - typical	600 : 1	800 : 1

Battery	
Battery type	Li-Ion battery 8-cell
Battery voltage	14.8 V
Battery capacity	2400 mAh
Battery runtime (idle mode)	Up to 4.7 hours (onboard graphics) / Up to 3.6 hours (dedicated graphics)
Battery runtime (DVD playback)	Up to 3.1 hours (onboard graphics) / Up to 2.7 hours (dedicated graphics)
Battery charging time (idle mode)	Up to 2.1 hours (onboard and dedicated graphics, charging 90 %)
Battery charging time (maximum active mode)	Up to 2.2 hours (onboard graphics, charging 90 %) / Up to 2.5 hours (dedicated graphics, charging 90 %)
Battery charging time (normal use)	Up to 2.1 hours (onboard graphics, charging 90 %) / Up to 2.05 hours (dedicated graphics, charging 90 %)
Battery charging time (off mode)	Up to 2.15 hours (onboard graphics, charging 90 %) / Up to 2.1 hours (dedicated graphics, charging 90 %)
Battery notes	Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Battery recharge time varies depending on usage. The recharge capacity may decrease after some months so that the battery lifetime as well as operating time can not be assured for the whole lifetime of the notebook. Battery runtime (idle mode) tested with Battery Mark 4.0.1 (“power saver mode”). Battery runtime (DVD playback) tested with Vista DVD playback. Battery charging time (idle mode) tested without test program. Battery charging time (maximum active mode) tested with 3DMark 2006. Battery charging time (normal use) tested with Vista DVD playback.

AMILO Notebook Xi 3650

Operating system	
Operating system compatible	Genuine Microsoft® Windows Vista® Home Premium (32-bit) Genuine Microsoft® Windows Vista® Home Basic (32-bit)
Recovery application	Backup and restore the original status of the hard disk and create system restore disks or individual recovery media on CD or DVD are included
Drivers	Updates downloadable at http://ts.fujitsu.com/support

Product design	
Color	Reveal white or eclipse black

General system information	
System architecture	Intel® Centrino® 2 processor technology (optional)
Chipset	Intel® GM45, ICH 9-ME

Graphics	
Graphics brand name	NVIDIA® GeForce® 9600M GT
Dedicated video memory	512 MB (GDDR3 VRAM, 1066 MHz)
Onboard graphics processor	Mobile Intel® Graphics Media Accelerator 4500MHD
Shared video memory	up to 1295 MB
3D Benchmark points	Up to 5044 (3D Mark 2006, depending on configuration)
Max. resolution external display	1920 x 1200 pixel

Graphics	
Graphic features	NVIDIA® HybridPower™ technology (hybrid graphic technology) NVIDIA® PureVideo® HD technology - Ultra-smooth video playback - Superb picture clarity and - Precise, vivid colors on any display DirectX® 10 support
Graphic notes	Shared video memory size may vary depending on configuration and the version of the operating system. The video memory size that is displayed in the system information software, as well as the actually used video memory size depends on Microsoft® Windows Vista® memory management. The following values might serve as orientation. - 1024 MB system memory enables up to 271 MB shared memory - 2048 MB system memory enables up to 783 MB shared memory - 3072 MB system memory enables up to 1295 MB shared memory - 4096 MB system memory enables up to 1295 MB shared memory

Interfaces	
DC-in	1
Audio: line-in	1
Audio: line-out / SPDIF	1
Audio: line-out / headphone	1
Audio: microphone in	1
Internal microphones	2
USB 2.0 total	3
eSATA & USB combo	1
VGA	1
HDMI	1 (version 1.3 incl. HDCP and S/PDIF out)
FireWire (IEEE1394)	1
Ethernet (RJ-45)	1
Memory card slots	1 x 15-in-1 card reader (supported formats: SD, miniSD, MicroSD, SDHC, MS, MS-Duo, MMC, RS-MMC, MMC-Micro, MSPRO, MS-PRO Duo, MS-Pro HG, MS-Pro HG Duo, M2, xD picture card)
Express card slots	1 (34/54 mm)
Kensington Lock support	1
Interface notes	Memory card slots: An adapter is needed for the following card formats: RS-MMC, MMC-Micro, miniSD, MicroSD, SDHC, MS-Duo, MS-PRO Duo, MS-Pro HG, MS-Pro HG Duo, M2

Communication	
Bluetooth	2.1 (integrated)
Infrared link (Fast IrDa 1.1, 4 Mbps)	1
LAN type	Gigabit Ethernet (10/100/1000 Mbit/s)
WLAN	Built-in WLAN (Wireless Local Area Network)

WLAN (optional)	
WLAN name	Intel® Wireless WiFi Link 5100 AGN (IEEE 802.11a/g/pre-n)
WLAN max. data rate	up to 300 Mbit/s
WLAN encryption	WEP, WPA, WPA2
WLAN notes	For use in: BE, CH, DK, DE, EE, FI, FR, EL, IE, IS, IT, LI, LV, LT, LU, MT, NL, NO, PL, AT, PT, SE, SK, ES, CZ, HU, UK, CY

Audio	
Audio type	On board
Audio codec	Realtek ALC888
Audio features	Support of high-definition audio for S/PDIF output with up to 7.1 channels 7.1 audio support also via 4x audio jacks (analog) 2x built-in speakers (2 W each) Built-in digital array microphone 1x built-in subwoofer (3 W) Sound volume control via function key or via LightTouch™ bar

AMILOcam	
Camera	Logitech® QuickCam®, 1.3 megapixel
Frame rate	30 per second
Camera features	Auto focus Automatic brightness adjustment with status LED (blue: on, red: streaming / application on) Low-light technology for great video-quality even in dark surrounding
Camera notes	AMILOcam frame rate can vary significantly depending on the used software application.

Input devices / Control buttons	
Power Button	Located left of the keyboard, back lighted
Keyboard	Spill-proof keyboard
Number of keyboard keys	85
Keyboard notes	The keyboard is spill-proof up to 50ml. This is enough to protect your notebook from an accidental spill. However, we recommend a backup as well as a system shut-down should liquids come into contact with the keyboard. The spill-proof protection does not prevent data loss caused by water damage. If this should happen, please contact your local customer service desk.
Number block	21 keys, 4 individually configurable quick-start application buttons (A1, A2, A3, A4)
Input device(s)	Hidden touchpad, with left and right mouse button, touchpad disable function via function key combination (Fn+F6)
Multimedia keys	Multimedia LightTouch™ bar located on top of the keyboard to launch the following applications: Silent mode (reduce noise level / fan speed, by reducing the CPU performance, office applications, Internet and DVD playback are not affected) Hybrid graphics to switch between onboard graphics for extended battery life and dedicated graphics for better performance DVD playback Skip rewind Play / pause Skip forward Volume control
Remote Control	26-key Vista remote control, shipped in ExpressCard slot

Hot keys	
Hot key Fn+F1	WLAN / Bluetooth on / off
Hot key Fn+F3	Mute on / off
Hot key Fn+F4	Volume down
Hot key Fn+F5	Volume up
Hot key Fn+F6	Touchpad on / off
Hot key Fn+F7	AMILOcam on / off
Hot key Fn+F8	Brightness down
Hot key Fn+F9	Brightness up
Hot key Fn+F10	Display switch
Hot key Fn+F11	Silent mode
Hot key Fn+F12	Suspend

Status indicators	
Status indicators	The notebook has 3 status LEDs Power status (& suspend) Blue (always on): on Blue blinking: stand by None: off Battery charge Blue (always on): full Blue blinking: charging Red blinking: ‹ 10 % capacity WLAN / Bluetooth Blue: on None: off

Power supply	
AC adapter	20 V / 90 W (4.5 A)
Rated voltage range	110 - 240 V (AC Input)
Rated frequency range	50 - 60 Hz
Battery features	ACPI 3.0 supported; Dynamic charge supported (rapid charge)

Energy consumption	
S0 (idle mode)	Onboard graphics: 11.15 W; Dedicated graphics: 17.30 W
S0 (max. active mode)	Onboard graphics: 58.59 W; Dedicated graphics: 84.14 W
S3 (stand by / energy saving mode)	Onboard and dedicated graphics: 1.56 W
S4 (hibernate)	Onboard and dedicated graphics: 0.51 W
S5 (off mode)	Onboard and dedicated graphics: 0.36 W
ACPI functions	ACPI 3.0 compliant for Vista requirement Power on stand by (S1 LCD off) Stand by / energy saving mode (S3 save to RAM) Hibernate mode (S4 save to disk) Off mode (S5 soft off)
Energy consumption notes	Maximum active mode tested with 3DMark 2006.

Noise emission	
Idle mode	27.8 dB(A) (silent mode off)
Maximum active mode	28.3 dB(A) (silent mode off)
Noise notes / description	Noise emission (idle mode) tested according to ISO 7779 and ISO 9296. Noise emission (max. active mode) tested with QAFE 8.01 / 2. sieve.exe (CPU stress test) / Diskload.exe according to ISO 7779 and ISO 9296.

Dimensions / Weight / Environmental	
Dimension (W x D x H)	438 x 294 x 43.5 (front) / 50.5 (back) mm
Weight	Approx. 3.9 kg
Weight notes	Weight may vary depending on actual configuration
Operating ambient temperature	5 - 35°C
Operating relative humidity	10 - 90 % (relative humidity, non-condensing)

Compliance	
Europe	CE Marking R&TTE (WLAN, Bluetooth®)
Global	RoHS (Restriction of hazardous substances)
Russia	GOST (WLAN)
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx

Application software	
Home office software	Microsoft® Works Microsoft® Office Home and Student Trial Adobe Acrobat Reader Windows Mail (within Vista operating system) Windows Calendar (within Vista operating system)
Multimedia software	Nero Essentials S (CD / DVD write software) Vista DVD Playback Pack (DVD playback software) Windows Media Player (within Vista operating system) Windows Media Center (only if system is preinstalled with Windows Vista® Home Premium operating system) Logitech® QuickCam® application software
Internet software	Microsoft® Internet Explorer Country specific Internet provider
Security software	Norman security software solution
Additional software (optional)	CyberLink Power DVD (playback software for Blu-ray Disc™, only with Blu-ray Disc™ drive)

Security

Physical security	Kensington Lock support Lid switch (hidden)
User security	User and supervisor password

Warranty

Warranty	Country specific terms
Service Weblink	ts.fujitsu.com/Supportservice

Accessories

Accessories included	AC adapter 90 W First Battery 8 cells Integrated remote control Cleaning wipe Manuals (manual on hard disk, quick start guide, safety guide, warranty guide, recovery guide)
Accessories link	http://ts.fujitsu.com/accessories

Information about environmental care, policies, programs and our Environmental Guideline FSC 03230:
http://ts.fujitsu.com/aboutus
Take back and Recycling information:
http://ts.fujitsu.com/recycling

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